



ELECTRIFICATION PRESENTATION

**BY TECHNOVAA SOFTWARE &
HARDWARE SOLUTION PVT
LTD**



INTRODUCTION

Technovaa is competent and technically sound for Highway Electrification, Plaza Electrification and the Solar/Electric Street lights, Our self-developed Panel for electric automation saturated with all equipment's and also preventing the hardware, Regarding of any disaster our panel protect all the devices and mode of supply is very reliable for different application, Panel is also automation by the micro controller and easily communicated by the integrated software, User can change their modes according to requirement. Technovaa is committed to resolve the issues through technology, solutions, and products for sustainable solutions for various Highway's and Plaza. We have completed various type of project related to Highway Electrification with NHAI,MORTH,PWD and State level Project.



WORK SCOPE

INTERNAL ELECTRICAL WIRING

1. CCTV Surveillance Wiring
2. Canopy Wiring and LED installation
3. Booth & Plaza Wiring
 - Fire Alarm & Smoke Detectors
 - MS & PVC Conduiting
 - DB Management
 - Data & Power point wiring

LT WORKS

1. Installation of LT Panels & Termination
2. Cable Trunking using Cable Trays/ Ladders/ Underground • Chemical & Cu Plate Earthing for Neutral & Body
3. Installation of Lightning Arrestors
4. High Mask wiring and installation
5. Highway Lighting



WORK SCOPE

- **Solar Street light installation**
- **Road side Blinker installation**
- **Control panel for plaza/booth/high mask/street lights.**
- **Disaster Management (Earthing, SPD, Lighting protector)**
- **Electric room setup with panel (DG, UPS & Power supply)**
- **Fiber cable Ducting & Installation**
- **DG/UPS/Batteries Installation**



SOLAR LIGHTS WITH LED

- 9-Meters Octangular pole with 40 Lux LED Installation at Bhandara (MH) site including of 84-villages. Total numbers of light -700 nos.





HIGHWAY STREET LIGHT

Highway street light with 9-meter pole, 250W LED (Syska), Day/Night Sensor, Separate MCB and earthing for each pole.

Control room setup for Highway street light supply from LT Panel

- Project completed in NH-57 Bolengir - Sonapur (OD) – 120 Nos.
- Project completed in TATA- Adityapur Toll (JH) – 57 Nos.
- Project completed in NH-33 khunti - Ranchi (JH) – 342 Nos.
- On-going project KNIT Infra, Assam NH





HIGH MAST INSTALLATION



Highway High Mast with 30/25/18/16-meter pole, with sequence of 12/16/20 LED, High mast section with base plate, Lantern carriage, Double Drum winch 750 KG(Gear Ration 53:1) with 1.5 HP Motor.

- Project completed in NH-57 Bolengir - Sonapur (OD) – 4 Nos.
- Project completed in TATA- Adityapur Toll (JH) – 2 Nos.
- On-going project KNIT Infra, Assam NH



TOLL PLAZA ELECTRIFICATION & LIGHTING

Toll Plaza Electrification and Lighting including of Canopy, Booth, Plaza (Admin), Plaza Street Lights and Electric setup room with different LT-Panels supply.



- Project completed in NH-57 Bolengir - Sonapur (OD) Booth/Plaza/Canopy – Electrification/Lights .
- Project completed MPRDC 7-Plaza (MP) Booth/Plaza/Canopy – Electrification/Lights .
- Project completed in NH-Plaza Fatehpur-Simliya (RJ) Booth/Plaza/Canopy – Electrification/Lights .
- Project completed in NH 2-Plaza Chilachond-Konder(RJ) Booth/Plaza/Canopy – Electrification/Lights .
- Project completed in NH Shilong By-pass (Meghalaya) Booth/Plaza/Canopy – Electrification/Lights .
- Project ongoing - NH (Assam) Booth/Plaza/Canopy – Electrification/Lights .



CLIENTS

NHAI – Fatehpur and Similiya Plazas – 2-Plaza Electrification (Raj).

NHAI– Chilachond and Kondar Plazas – 2-Plaza Electrification (Raj).

H.G. Infra Engineering Limited –Toll Plaza Electrification (Raj).

Tamil Nadu Road Infrastructure Development Corporation project at Madurai bypass – 3 x 6 Hybrid Lane plazas – Total of 18 Lanes through Trilok Infra, Coimbatore .

A group of Tata Construction, Adityapur Toll bridge at NH-33 in West .

YFC Projects Ltd

(Khunti-Rachi Highway 275 Nos Street Lights) – Jharkhand .

Bengal – 08 Hybrid Lanes .

Sri Durga Condev Pvt. Ltd. –NH-57 Plaza and Highway Electrification (Odisha).

Shukla Construction – 4- plaza Electrification (MP) .

Shivalaya Construction – 700 nos. Solar light installation (MH) .

KNIT Infra– NH Plaza Electrification and Highway street light installation in Assam .







THANKYOU

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